



Caldwell Named Guest Of Honor At Dorm Dance

Music By Don Gahan Signed For Annual Affair On Friday

Dr. Robert G. Caldwell, Dean of Humanities, has been revealed as the mystery guest of honor at the Annual Dormitory Dinner Dance which will be held Friday evening February twenty-first from seven o'clock through two-thirty A.M. in Morss Hall of Walker Memorial. Ending a week of suspense co-chairman William G. Kussmaul '41 and Zachary P. Abuza, '41 divulged the speakers' name Sunday night.

Dean Caldwell, former United States Ambassador to Bolivia and ex-Ambassador to Portugal, was appointed Dean of Humanities by President Karl T. Compton in February 1939. A member of a sub-committee of the Defense Commission, he is at present engaged in fostering South American relations.

Featuring the music of Don Gahan and the sparkling entertainment of the "Three Flufferettes", the dance has been planned to include a candle-light dinner and an early morning breakfast at 2 A.M. Options redemptions at \$2.25 per couple are proceeding and table reservations may be made at the time of redemption.

With Professor Robert E. Rogers, of the English Department, as toastmaster and Dean Harold E. Lobdell, Professor L. F. Hamilton, chairman of Dormitory Board, Professor Avery Ashdown, Master of the Graduate House, Professor and Mrs. Floyd Armstrong, Mr. and Mrs. Delbert H. L. Rhind, Mr. and Mrs. James Killian and Mr. Walter C. Wood, Master of the

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Russell Speaks On Hydraulics

Society Of Arts Lecture Deals With Principles Of Fluid Engineering

Enthusiastic spectators filled Huntington Hall to the roof last Saturday afternoon as Professor George E. Russell of the Civil Engineering department opened his amazing demonstration, one of a series of Society of Arts lectures, with the words, "A hydraulic engineer is a man whose brain has turned to water". The principles applied by the hydraulic engineer as he utilizes water for power, irrigation, and canals were explained and demonstrated clearly with the use of the massive apparatus which covered the front of the Hall.

Hydraulics has progressed more in the past twenty-five years than in

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Gahan Will Play At Military Ball

Featuring the music of Don Gahan and his Orchestra with the stylized rhythms of the Three Flufferettes, the annual Scabbard and Blade Ball is scheduled for February 28. The ball, to be held in Morss Hall, Walker Memorial, will last from nine-thirty till two.

An initiation and pinning ceremony for new members of the military society is to serve as the official opening of the affair, after which there will be demonstration of the finer art of drilling by a picked squad of freshmen. Dancing follows this drill.

Further details, as well as a list of the patrons and chaperones, is to be announced in a later issue of The Tech.

Frosh Council Elections Set for February 17-18

Nominations for positions on the Freshman Council will be accepted by the Elections Committee on Thursday and Friday of this week, Franklin P. Seeley, '42, Chairman of the Elections Committee, announced last night. The actual elections will be held next Monday and Tuesday, Feb. 24-25, in the respective rooms of the twenty-four freshman sections.

At their first meeting, the twenty-four council electees will vote three of their number to the freshman seats on the Institute Committee which will be vacant at the end of this week.

Goodman's Band Receives Award From Downbeat

Pronounced the best swing band in the country by ten thousand professional musicians throughout the United States, Benny Goodman's orchestra was presented with Downbeat Magazine's award on the Fitch Magawagon last Sunday evening. At the

Public sales of the options on Junior Prom tickets closed yesterday afternoon, it was announced by the committee. The thirty-seven remaining options may be obtained from any member of the Junior Prom Committee.

same time Goodman and four members of his organization were similarly honored with awards.

Dave Dexter, Jr., editor of Downbeat, presented the awards. Benny Goodman himself was chosen most popular soloist, and Charley Christians, guitarist, won first award for his department, as did Fletcher Henderson, Goodman's arranger. Cootie Williams was one of the first three among trumpeters.

Goodman Sick Last Year

"In spite of his having been sick last year, Benny Goodman is still un-

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Tea To Conclude Dorm Weekend

The dormitory dinner-dance weekend will be concluded with a Tea which is to be held in the Burton Room, Sunday afternoon, February twenty-third, it was announced by Roger G. Blum, '41, chairman of the Burton Room Committee.

Professors and their daughters will be the guests of honor. The professors' wives are to serve the refreshments between the hours of four and six. Open house for all the dorms has also been declared. Freshmen and their dates are particularly urged to attend.

Wellesley College News Crusades For Reforms Led By Elizabeth Green

Sparkling, vivacious Elizabeth Cox Green of St. Louis typifies the spirit of the Wellesley College News as she travels breezily about the campus in black and white checkered slacks and a semi-white beer jacket.

Expressing abhorrence with the staidness of most New England college publications "Cox" Green, Editor-in-Chief; Josephine Bonomo, Managing Editor, and their staff of Seniors and Juniors are out to "get things done" at Wellesley.

Board Conducting Crusades

Since the present board of editors took over management of the Weekly News they have been carrying on a series of crusades through its editorial columns. The present plan of the board is to persuade well-fed Wellesley to donate the cost of a weekly or bi-weekly dessert to the British War Relief. Although the drive

Camera Show Now Open

Historical Exhibit Features Daguerre Equipment, Photos

Cameras and accessories from the time of Daguerre to the present day feature the historical photographic exhibit opened yesterday in the exhibition room of the Architecture Building at Technology. The showing is to remain on view for three months and has been prepared through the cooperation of the Eastman Kodak Company.

This historical collection was started when an official of the Eastman Company acquired much of the apparatus used by Daguerre in France, including Daguerre's own camera. This French material forms part of the display which also has on view original daguerreotypes, ambrotypes, and tintypes. Boxes of chemicals, iodizing and bromiding boxes and other equipment for preparing these old plates will be on exhibition.

Postcard Camera Shown

Two old cameras on view include a "carte de visite" camera, which has four lenses so that four pictures can be taken simultaneously, and a "postage stamp" camera with nine lenses for small size portraits. Both cameras were used at a time when it was impossible to reproduce pictures by printing from negatives.

Representing the wet collodian period of photography is a large portable darkroom that could be mounted on a tripod. These "darkrooms" were carried by camera fans wherever they

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Girl Bowler Hurt In Freak Accident

Bursar's Secretary Slips on Waxed Floor In Walker Alleys

Miss Winnifred Marvin of the Bursar's Office, injured herself last night at 8:00 P.M. at the Walker Bowling Alleys when she slipped on the waxed floor of the alley while delivering the bowling ball. Miss Marvin, carried by her momentum, left the floor and flew several feet through the air, striking her spine on the alley floor.

Although there were no doctors in attendance in the Infirmary at the time, Doctor J. Newton Newman of Cambridge responded to the call. Dr. Newman removed Miss Marvin from

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Walter Eberhard, New 5:15 President; Chosen Last Night

New Commuters' Head



Walter S. Eberhard, '42, chosen by the executive committee of the 5:15 Club with other officers for the new term.

Dr. Compton To Give Defense Talk At Grad House Dinner

Institute President Will Discuss Research In National Defense

President Karl T. Compton will speak at the Graduate House dinner Wednesday, February 19 at 6:00 P.M. in the Main Dining Room of the Grad House. His subject will be "Scientific Research for National Defense."

Dr. Compton is one of the eight members of the National Defense Committee. It is his duty as a member of this Committee to supervise the work on detection, controls and instruments.

All those planning to attend the dinner must put their applications in the box labelled "Graduate House" at the desk by 1:00 P.M. Wednesday.

Tech Open Forum Opens New Series

Professor T. Smith Defends Administration In Debate Thursday

Inaugurating the Tech Open Forum discussions for the new term on a subject which may or may not decide whether the United States goes to war, Professor Theodore Smith of the English department, well known authority on foreign affairs, will defend the Administration's viewpoint on the "Lease-Lend" bill, opposed by Mr. Carl E. Shorske, of the History Staff of Harvard University. The debate is set for Thursday, February 20, from 4-5 P.M. in Room 10-250, and not, as previously announced, on Friday.

Leo Farr, Gun Victim, Improving Steadily

Leo E. Farr, Jr., '41, wounded in an unfortunate gun accident in the dormitories a week ago, was today reported to be "much better and improving steadily," according to Doctor Henry H. Faxon, surgeon at the Massachusetts General Hospital, where Farr was rushed after the accident.

Farr has been in a critical condition since his roommate's .38 revolver was accidentally discharged, and a shot pierced Farr's abdomen.

Richard Burns, '42 Joseph Osgood, '42 Richard Gillooly, '42 Fill Other Offices

Walter S. Eberhard, '42, was elected President of the 5:15 Club at last night's meeting of the 5:15's Board of Directors in Litchfield Lounge. Also elected to executive positions in the organization at this meeting were Richard M. Burns, '42, Vice-President; Joseph Osgood, '42, Treasurer; and Richard P. Gillooly, '42, Secretary.

Previous to this year these elections were held before the end of the first semester but a recent change in the Club's constitution provided for the election to take place at this time, thus making possible the selection of men with better scholastic ratings.

Eberhard Named on First Ballot

The Executive Committee of the 5:15 Club nominated Eberhard and Burns as candidates for the Presidency of the club and last night after a short discussion, Eberhard was elected on the first ballot. The other elections were also made after little discussion as well as the election of John T. Carleton, '42, and Waldo F. Davis, Jr., '43, as the Institute Committee representatives of the club.

Recently appointed chairmen of various committees of the club were Robert W. Maxwell, '43, Program Committee; Bradford M. Torrey, Smoker Committee; and Stephen P. Higgins, Jr., '43, Room Committee.

Seniors, Juniors To Vote On Rings

Proposed and Present Rings Go On View In Building 10 Lobby

The final decision in the Senior Ring controversy is to be made this Wednesday, February 19, when the Classes of '41 and '42 will vote for their ring preference in a poll sponsored by The Tech. Voting will be held from nine to five in the Main Lobby of Building 10.

Subjects of the voting, the rings are on exhibition for all to look at in the inside lobby of Building 10 near the elevators. Following is a brief resume of the essential differences between the proposed ring and the present ring.

Polished Gold In Proposed Ring

The face of the proposed ring has the Technology Seal engraved in a polished gold surface instead of the

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Gov. Saltonstall Will Address Faculty Club

His Honor To Speak On Bay State's Part In National Defense

The Honorable Leverett Saltonstall will be presented as guest speaker at a luncheon meeting of the Faculty Club to take place in the Dutch Room of the Graduate House, Tuesday, February 18, at 12 o'clock.

The twice-elected governor of Massachusetts, who also is a member of the Corporation of Technology, will put forward his views on the much discussed topic, The Place of the State Government in a National Emergency. In stating his views, Governor Saltonstall will probably determine Massachusetts' position in such a crisis.

The Tech

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THE CASE FOR THE BRONZE RAT

"Is a ten year ring tradition worth breaking for another ring whose superiority is questionable?" This is the problem that must be solved at tomorrow's Senior-Junior Ring Poll, where the present Beaver ring and the proposed ring featuring the Institute seal will stand trial.

Although the proposed ring may look a little better than the old ring, because of its highly polished surface, we don't believe that it is sufficiently better to warrant breaking a well-founded tradition. Basically the rings are of the same design, but with their surfaces executed differently. Experience has shown that the polished surface used on the new ring scratches and wears very poorly. On the other hand, the rough surface of the present ring wears particularly well, a fact which should impress us as future engineers who will soon be dunking our hands in sulphuric acid, or transmission grease.

In spite of the many aspersions cast upon the bronze rat, the present ring design resembles the industrious beaver adequately enough to get by in the best of circles. Nevertheless we are still progressive enough to believe that a ring far superior to the present ring can and should be devised as long as criticism exists. However, no change should be made until a ring of merit sufficient to warrant breaking a tradition is offered. We don't feel that the proposed Institute-seal ring is that good.

LET'S NOT LET IT HAPPEN AGAIN

Technology men once again distinguished themselves from the run of the mill college student last Saturday when they received a unique commendation from Professor S. Stephenson Smith, a visiting lecturer invited to address members of the Sophomore class.

Introduced as a representative of ASCAP, Professor Smith was greeted with a chorus of hisses in the best grammar school manner. Undismayed by this hostile reception, he delivered a rather witty lecture followed by a few minutes of anti-BMI propaganda, none of which seemed to oppose the views held by those present.

Smith, who has spent the last year and a half speaking at various colleges and universities throughout the country, awarded his Technology audience the unique distinction of being the first and only group that he has faced who hissed a lecturer before he started to speak.

We can understand why Technology men would greet with contempt such a radical lecturer as our recent visitor Earl Browder, but a college professor invited to speak on the state of the American drama is entitled

to a little better reception. If the Sophomores disagreed with the sentiments of the speaker, they should have at least waited until they knew what they were hissing or disagreeing with.

Or maybe compulsory courses by Emily Post should be substituted in the freshman schedule in place of 8:01 to put us on equal footing with other American colleges.

DARTMOUTH OR MIAMI?

We wish at this time to bring to the public attention and particularly to the notice of "The Dartmouth" and "The Miami Student" an interesting situation. We realize that the desire to be first in something is the thing that makes the world go around (at least next to love), but it can be carried too far. Although competition is the foundation of our capitalistic system that is no reason why "The Dartmouth" should claim to be the "oldest college newspaper in America" while "The Miami Student", published at Oxford, Ohio, boasts simultaneously of being "the oldest newspaper in the United States." There is evident contradiction here.

Miami College already has one bid to fame, being the mother to the famous Miami Triad, Phi Delta Theta, Beta Theta Pi, and Sigma Chi, so it should give Dartmouth a chance to be first at something else besides the "green Indian". We wouldn't want Dartmouth to acquire an inferiority complex. On the other hand, maybe Dartmouth doesn't deserve this consideration. "The Miami Student" is listed as being founded in 1826 while "The Dartmouth" did not see the light of day until 1839, a difference of over a decade. Furthermore, "The Miami Student" is a little more considerate in its claims just asking to be the oldest in the United States while the avaricious "The Dartmouth" wants to be the first in all America.

Perhaps it is out of place for a little upstart like "The Tech", only founded in 1881, to meddle in this affair, but we would most certainly like to see justice done in this case. May the oldest college newspaper win, but let this two way tie be broken.

Frontiers For Technology

1. Aeronautical Engineering

Safety, price, and convenience are the frontiers for the aeronautical engineer of today in commercial and private use of the air, because danger, high costs, and inability to land in our own back yards are the chief reasons why you and I aren't flying planes instead of driving cars.

No one can say that the aeroplane of tomorrow will not be as common as the automobile of today. But before the engineer reaches safety, he must conquer weather, must develop foolproof easy-to-operate controls, must eliminate danger from landing anywhere, must make navigation simple, and must teach the public how to fly safely. Before he reaches lower prices, he must find cheaper materials of construction (plastics are on the way), must turn to assembly-line production, must lower the costs of learning to fly, and must make cheaper landing facilities available.

Men use aeroplanes primarily for speed. From the viewpoints of safety, economy, carrying capacity, range, and comfort the automobile or railroad are superior. Maximum speed believed attainable with present technology is 500-550 miles per hour. Maximum range is estimated as 8,000-9,000 miles.

The average man today can buy a plane for \$1,000, can learn to fly it and get his license for \$200, can operate it as cheaply as his car—but must rely upon the automobile to take him from landing field to destination and must pay for use of hangars. He can travel 200 miles in three hours, but a commercial airliner will take him where he is going just as quickly and comfortably. Therefore, he will probably drive his car until some bright aeronautical engineers design an aeroplane that will also operate as a car, that will take off from a road or driveway, that will cost little more than a car, and that will enable him to arrive at his destination quickly and safely.

Commercial aviation has a far brighter future. Air travel between the major cities in the United States at rates approximately those of Pullmans, long distance substratosphere commercial flights, trans-Atlantic and trans-Pacific clippers are here now. The plane can compete with the locomotive and the bus because it delivers you as close to your destination as they do in less than one-third the time. Yet aeroplanes handle only one per cent of the total transportation in this country. There is an enormous frontier for expansion that will undoubtedly come with greater safety and lower prices. What is more, the volume of express freight and of freight to places inaccessible from land is increasing. Today's planes are obsolete almost as soon as they are completed. Whether the war will speed up development to a more stable condition suitable for mass production and cheaper prices will remain to be seen.

For Boys To Play

by Stewart Rowe and Joseph Tankoos

Ella Fitzgerald sings and her orchestra plays nightly at the Bermuda Terrace in the Hotel Brunswick. The band is a sort of inheritance from Ella Fitzgerald's late husband, Chick Webb. The music they put out is good, if you like that kind—for most of the time it is jamming replete with the usual gyrations that afflict a Negro band in a swiny mood. Noisy music it is, but even this old exponent of smooth rhythms liked it, and if you can find room to dance it is good to dance to.

The same trouble haunts the Bermuda Terrace that afflicts every other good spot in town: a dance floor the size of a postage stamp, and crowds like Technology Open House. Surroundings are not too attractive; the decorations are in poor taste and the entrance is particularly unimpressive. But the music is good swing, and if you like it the architecture makes no difference. Prices are about what you would expect.

Caldwell Chosen Speaker

Dean of Humanities Robert G. Caldwell has been chosen, as you probably know, as the speaker at the Dormitory Dinner Dance this Friday. Dean Caldwell has had as varied experiences as one could ask for, what with being ambassador to Bolivia and now working for the government as head of a committee on pan-American relations. He has been on leave of absence from the Institute this year to work for the State Department. Dean Caldwell's presence promises to add greatly to the enjoyment of the evening.

Vaughn Munroe and his fourteen-piece orchestra and the beautiful brunette vocalist Marilyn Duke are giving out with smooth danceable

music at the Hotel Statler's Terrace Room. Vaughn, who played to record crowds all summer and spring out at Seiler's Ten Acres in Wayland, is drawing the college dancing set in large numbers. That's the tough part about it too, because here again we run into that Boston bugaboo of postage stamp dance floors which on Saturday nights are like subway stations at rush hour. Vaughn and Marilyn are staying on at the Statler for the next month or longer and if you don't mind the crowds we recommend it for a pleasant week-end evening.

Statler's Prices

About expenses, after nine-thirty you'll have to pay a cover charge—one dollar per person—but if you get there for dinner this is out. A music quiz with the victims chosen from among the customers, supplies some light informal entertainment between dance sets and of course there is also Marilyn the songstress, who they tell us is being looked over by Hollywood talent scouts.

Incidentally weekday nights at nine-thirty the band packs up and goes home so unless you want dinner dancing only make a note of this.

Scabbard and Blade

We're hearing things also about the Scabbard and Blade Ball which is scheduled to come off Friday after next. This is the honorary military society's annual affair and a very dandy one, too, with gold braid and shiny brass buttons. You'll hear more about this later.

Options for the Junior Prom are going like hotcakes and Ray Wyland who was out to the Michigan dance last week says Benny Goodman and his men did a smooth job musicing for the mid-Westerners.

Professor Shrock Speaks Today To Sigma Xi

Geological Subject To Be Discussed By Institute Chapter

Professor Robert R. Shrock of the Department of Geology will speak on "Man's Relation to the Earth" at the winter meeting of the M.I.T. Chapter of Sigma Xi, honorary scientific fraternity, today at 4:00 P.M. in Room 6-120.

Professor Shrock, who came to the Institute from the University of Wisconsin, is especially interested in sedimentation, stratigraphy and paleontology, and is at the moment co-operating in the writing of a Dictionary of Paleontology.

Will Discuss Evolution

Professor Shrock will deal with the evolution of organisms culminating in the production of man, and will then trace the way in which man has explored and exploited his environment, in seeking to adapt himself more perfectly.

The lecture, the second of a series on the theme of man's relation to his environment, will treat the subject from the point of view of geological time, at the same time emphasizing the concepts of serial and parallel evolution of both matter and life. The lecture is open to the public, and all those who wish to hear the discussion are invited.

Benny Goodman

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disputed King of Swing," said Dexter in presenting the award. Goodman's old band, which was the country's top swing combination for several years, disintegrated last summer when its leader was forced to go to the Mayo Clinic in Minnesota to undergo treatments, but when the "Professor" got on his feet again, he formed his new band with which he has made his sky rocketing comeback.

Announcement was made last week-end at Princeton that Goodman has been signed to play at the Junior Prom there on March 14. He also played recently at the Michigan Junior Prom, one of the biggest college dances in the midwest.

Camera Exhibit

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went since the wet collodion process required that the plates be wet when exposed and that they be developed immediately afterwards.

Lenses and Shutters

The evolution of lenses and the evolution of shutters from the crude originals to the high precision instruments of today is demonstrated by a large collection of the varying types. One huge Hermajes lens is included, which is typical of the period when enlarging was not practiced and large prints were made only from equally large negatives.

Roll film camera development, secret detective cameras and the most modern color cameras are other groups of apparatus on view. The latest is stroboscopic photography developed by Professor Harold E. Edgerton of Technology which concludes the exhibit.



Annual Exam Bughouse

The forward march of science has added one more pitfall in the way of students attempting to crack the finals. There is the case of the delinquent who attempted to cram a whole term's knowledge of Organic Chemistry into his skull in one hectic all-night session. In order to remain awake throughout such an orgy of brownbagging, this unfortunate martyr to science took a "pep" pill every hour.

Came the morn. Our hero took one more pill and wavered into the exam room; unfortunately, his system had by then developed a high tolerance for the drug with the result that he snoozed blissfully through a good part of the exam.

Wrestlers Win First Meet

Tufts Defeated By Wide Margin In Saturday Meet

The wrestling Beavers overwhelmed Tufts by a score of 20-8 in Hangar Gym last Saturday for their first win of the season and their first victory over the blue and brown in seven years.

The most outstanding performance was turned in by heavyweight Hugh Byfield who pinned his man within a short space of time. Bob Fettes kept his undefeated slate clean for the season by pinning his opponent. Captain Johnny Carleton in his usual form came through with a win by decision.

Among the other grapplers who added points to the Tech total were Warren Schwarzmann, Johnny Macenzie and Frank Sealey. The other two members of the team who lost in close matches were Dan Schaeffer and Cy Kano.

In their victory over Tufts, the wrestlers have given the first indication of the fulfillment of Coach Rivers' re-season predictions. Before their losses to Harvard, Williams, Amherst, and Wesleyan, they were set for an undefeated season.

Wrestling Clinic

Coach Joe Rivers of the muscle wrestling crew managed the wrestling clinic held at Tech last Sunday, the purpose of which was to test potential referees. Those who passed will be eligible to officiate at any high-school or intercollegiate match.

Interclass Track To Be Run On Sat.

Sign Up Any Afternoon For Big Winter Event, Says Coach Hedlund

Track's biggest event of the winter season, the annual indoor Interclass meet, will be run off on the board track at Barbour Field House this Saturday afternoon at two. Men hoping to help their class walk off with the majority of the silver trophies may sign up any afternoon from 3 to 6 this week according to Coach Hedlund. Defending champs in the meet are a class of '43 who won with a score of 56 1/2 last year. Three records for the meet were broken last season, and three mark-makers are back in the ranks of Seniors Lew Jester and Dan Meier, and Junior Gene Brady. The events will be the 50 yard dash, 100 yard high hurdles, 60 yard low hurdles, 300, 600, and 1,000 yard runs, 1/2 mile and a half, high jump, pole vault, shot put and light throw.

V. Riflers Nose Out Win Over Lever Bros.

Getting revenge for their olfactory senses, the Tech junior varsity rifle team bested a squad from Lever Brothers last night by the close score of 864 to 860.

Highpointman for the Beavers was Ralph Garrett who notched 76 points. Blake had the Engineers' top score in the prone position while Travers finished highest in the off hand shooting.

Boit, Dalton, and Church

89 BROAD STREET
BOSTON

INSURANCE
OF
ALL KINDS

Lightweight Crews Seek '43ers To Bolster Ranks

Pat Manning's 150 pound crews have sent out a call for all lightweights at Tech with rowing experience to turn out at the Boat-house this week. Especially wanted are the men from last season's freshman fifty boats.

Captain Howard Boise explained, "We're getting a new shell this year and we want to put the best eight possible on the Charles. We'll need every man so that this year's crew can live up to Pat's coaching."

R. P. I. Defeats Mermen 45-30, Last Saturday

Beavers Barely Miss Making New Record In 400 Yd. Relay

Although they barely missed a new record in the four hundred yard relay, the Tech swim team was nosed out 45 to 30 last Saturday by Rensselaer Polytechnic Institute in the Alumni Pool. R.P.I. was led by Bill Stokke who won both the 220 and 440 yard free style events.

Dave Howard won by a tremendous margin in the fancy diving, while Thomas and Denhard secured firsts in the 50 and 100 yards free style races. The 400-yard relaymen who nearly set another record, were Tiedeman, Thomas, Bimson and Denhard.

To Meet B. U.

In an effort to offset the defeat administered by the Troy men, the Beaver swimmers hope to swamp the B.U. team this Wednesday.

Except for a few changes in the 300-yard medley relay team, which will have Altercruse, Loveland, and Bimson, and the 220 free-style in which Sage is expected to compete, the team will be the same as the one which competed last week.

Navy Trounces Gymnasts, 50-4

February 15 saw the Navy sink the Beaver gymnastic team at the United States Naval Academy with a tidal wave of 50 points to Tech's 4 point splash.

Although the Beaver muscle men placed in only two events, Kirk Miller second in the side horse for three points, and Bob Maxwell tumbling in third in that specialty for one point, the 50 to 4 defeat is not extraordinary in the Navy series. Definite improvement is shown by this score since Tech has never carried an event since they started the series in 1922 and the score in the tilt of that year was 52 to 2.

Hockeymen Clash With B. C. Tonight

Sextet Rained Out In Weekend's Series Against Colby, Bowdoin

The Cardinal and Gray puckchasers will feature the opening clash of the penultimate week of competition in the New England Intercollegiate League race when they play host to Boston College on the Boston Arena surface tonight. Boston College will be favored to ring up its twelfth straight win and its second this year over Technology. The bill tonight will be a doubleheader with Northeastern seeking to stay in the running for the title with a victory over New Hampshire.

Rained Out

The Beaver's trip to Maine last weekend was a complete washout. Both the game with Colby on Friday, and that with Bowdoin on the following day were rained out. Neither will be replayed although the hockeymen meet Colby on the twenty-eighth.

The Beavers, at peak strength for tonight's contest, will ice a combination headed by Capt. Bill Cadogan at one wing and Phil Phaneuf at the other. The former has been the offensive star of the Beavers this season.

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Squashmen Win Over Hilltoppers

The M.I.T. Varsity Squash team climaxed a week of squash competition with a victory over Trinity College last Saturday afternoon. Captain Phil Freeman lost to W. Cleveland 3-2, Chet Corney (M.I.T.) lost to D. Cunningham 3-0. Jack Sheetz (M.I.T.) defeated B. Toland 3-0, Jim Mar (M.I.T.) defeated C. Cook 3-1, and in the number five position Al Oszy (M.I.T.) defeated C. McVicker 3-1.

During the next week the annual squash tournaments are scheduled to start. The Emerson Cup competition will be open only to Varsity, J. V., and Sophomore Team members; the Junior Varsity Tournament will be open to any undergraduate except Varsity men and freshmen; and the Freshman Tournament is open to any member of the freshman class. Trophies will be awarded to the winners at the annual squash banquet in April. Sign-up sheets for the two open competitions are in the squash courts' office.

Tech Riflemen Go Down Before West Pointers

With Wise of the Army scoring 279, the Army made the Beaver squad eat humble pie by scoring 1355 to Tech's 1350. This is the second match that the varsity riflemen have lost this year.

Leading the Beaver individual scores was James T. Harker, '43, with score of 278, followed closely by Norman L. Davis who chalked up 272. Leading in the standing scores were Garrett of Technology and Wise of West Point with 100. In the kneeling position, Harker of Tech was highest with 95. In the prone position Wise of West Point scored 87.

Rudd, '41, Scores 180, Smashes Bowling Record

Thayer Rudd, '41, of Lexington, smashed all hitherto existing records in the annals of Technology Bowling last Saturday afternoon, by a phenomenal score of 180 with 5 strikes and 2 spares, thus beating the score of 176 set up three years ago by N. C. LeRogue of Boston University, and bringing the record back to Technology.

The original record of 171 set up by Ed Pung, custodian of the Bowling Alleys for the last 34 years stood for nearly twenty years.

Beaver Fencers Succumb To Lions In First Defeat

Three Top Men Drop Their Matches In 14 1/2-12 1/2 Battle

With its three top men suffering an off-day, the Technology fencing squad dropped its first match of the present season to Columbia by a 14 1/2-12 1/2 score last Saturday at New York. The failure of Adelson, Krieger, and Sherburne to sweep their bouts as had been expected was the deciding factor which turned the match in the Lion's favor.

The home team won the foils competition by 5 to 4 and split the epee laurels, 4 1/2 to 4 1/2. Lion Captain Marvin Metzger downed Cap Adelson 5-0 in the saber division after winning two epee bouts. Norman Blackman then beat Van Wickel 5 to 4 on the last touch of the deciding bout of the match.

Only consolation for the Beaver foils men was the performance of Colsmann and Van Wickel, youngest men on the squad in point of experience. Colsmann took two bouts out of three, and Van Wickel was impressive in spite of his loss of the deciding bout. Bill Kellogg was Tech's best man in winning two and tying one of his epee matches. Ed Sherburne was most successful of the crack varsity men although he dropped one of his three foils bouts.

Jumbos Are Next Opponent For Hoopsters

Beavers Trimmed By Bates, 43-34, Last Saturday

After a 43-34 trimming by the garnet and blue quintet of Bates at Lewiston, Maine last Saturday evening, the Cardinal and Gray varsity faces the Jumbo of Tufts this Thursday in the Hangar Gym at 8:30 P.M.

Although the Medford men routed the Tech team last year, the latter have an even chance to avenge the defeat by downing their intra-city rival in the coming Thursday game. The Tech-Tufts Varsity contest is to be preceded by a similar freshman conflict at 7:15.

On their home court the Bates quintet whirled to a nine point victory over M.I.T. last Saturday. Captain Howie Samuels at right forward, Red Dolan at left forward, George Marakas at center, Sandy Glick at right guard, and Ernie Artz at left guard were the starters for Tech. Substitutions for the red and gray were John Whelan, Jerry Coe, Tony del Valle, and Andy Hillhouse.

Although many Tech shots barely missed being baskets or circled the hoop only to fall outside, Marakas, high scorer for the Tech Hoopsters starred from the foul line, sinking eight out of nine foul shots. When he missed the eighth try, the crowd really felt sorry for him. He came back, however, to sink the ninth.

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CALENDAR

THURSDAY, FEBRUARY 20

- 12:00 Noon Faculty Club Luncheon—Dutch Room, Graduate House.
- 4:00 P.M. Sigma XI Lecture—Room 6-120.
- 5:00 P.M. Debating Society Meeting—Litchfield Lounge.
- 5:00 P.M. Frosh Council Meeting—Faculty and Alumni Lounge.
- 6:00 P.M. Heat and Ventilation Engineer's Dinner—Morss.

WEDNESDAY, FEBRUARY 19

- 9:00 A.M.-5:00 P.M. Senior Ring Poll—Lobby, Building 10.
- 5:45 P.M. Graduate House Dinner—Main Dining Room, Graduate House.
- 7:00 P.M. Society of Biologists' Dinner—Silver Room.

TUESDAY, FEBRUARY 18

- Morning—Frosh Council Nominations.
- 4:00 P.M. Tech Open Forum—Room 10-250.
- 5:00 P.M. Applications for Stratton Prize Due—Room 10-405.

Smith Discusses ASCAP, Drama

Lecturer Argues Pros And Cons Of Current BMI Feud

ASCAP and its relation to the American Drama was discussed at a lecture given by Professor S. Stephenson Smith to Sophomores studying Drama, at 11 A.M. Saturday, in Room 6-120. The subject of the lecture was "Political Farces; Their Position in the American Theatre."

Professor Smith, Educational Counsellor for ASCAP, gave short summaries of some of the recent American farces, including in his summaries, many of the gaglines of the plays.

He concluded his lecture with a report of ASCAP's contributions to the American drama and presented its arguments in the current feud against BMI. He also carefully explained that, in his unbiased opinion, musical radio programs would not be able to continue much longer successfully without ASCAP.

Dorm Dinner Dance

(Continued from Page 1)

Graduate House as patrons, the dance honors many celebrities.

Roger G. Blum, '41, Herman E. Gabel, '41, Raymond B. Krieger, '41, Wilson M. Compton, '41, Harvey I. Kram, '42, William F. Watkins, '42, Arthur S. Spear, '42, and Frank C. Jones, G., comprise the Dormitory Committee in whose charge is the sale of tickets.

Hockey Meet

(Continued from Page 3)

and will be leading his sextet in a try to upset a club rated as the best in Eastern Intercollegiate circles. Phaneuf was an unknown at the beginning of the season and has played his way into a first string job. Ed Beaupre will center the line with his usual hustling style of play. At the points Dick Small and perhaps Nat Sage will start. Small has been outstanding this year and has been paired with Christison in a capable defense unit. However Sage, injured early in the season and a star last year, has rounded into shape and may be started by Coach Owen.

Bowling Accident

(Continued from Page 1)

the alley, where she had remained after her fall, to the Women's Room of Walker. The injury was pronounced with reservation as a severe sprain, pending the results of an X-ray examination which was deemed necessary.

Miss Marvin Taken to Infirmary
Miss Marvin was taped over the injured area and was taken to the Homberg Infirmary.

The injury occurred during a game Miss Marvin was playing with her sister, Miss Esther Marvin, a friend, Miss Althea Allen of Medway, and an unidentified fourth woman. Miss Marvin and her sister live in Arlington.

Senior Ring

(Continued from Page 1)

raised Beaver of the present ring. The rim surrounding the Beaver has been removed as protection for the engraved seal is unnecessary. The general shape of both rings is the same.

On the shank, the dome of the present ring has been removed on the proposed ring to allow the numerals 41 and the letters M I T to be moved upward toward the face and further into sight. The numerals and letters are also engraved on a polished surface in an effort to cut down the thickness of the shank in the proposed ring.

Shank Has Rim

The present ring has a Beaver on the face surrounded by a rim, for protection of the figure, at the top of the shank. Numerals and letters are raised from a hammered surface as are all figures on this ring.

All members of the classes of '41 and '42 are urged to come down and vote in the poll since the proposed change is of great importance to both classes.

Hydraulics Lecture

(Continued from Page 1)

the twenty-five centuries preceding, because of the application of the few fundamental principles which govern fluid flow. The problems of flow through a pipe have been solved by a knowledge of viscosity. The principle of whirlpool phenomena has been applied to raise water with the centrifugal pump and separate cream from milk.

Achievements In Hydraulics

The principles governing the flow from an orifice have led to the design of dams which are not subjected to the terrific slap of water near the base. Hydraulic pumps are employed to stop such destruction as the cutting away of bed rock to depths of ten to twelve feet as has happened at the base of many dams.

As Professor Russell showed his pictures of Boulder Dam, he told of the things which had impressed him on his recent visit there. The largest man-made lake in the world is held behind this gigantic structure, and is absolutely within its control. It may be preserved for future use, transformed into immediate power in the gigantic turbines at the dam's base, or poured down the valley below for use in irrigation. Thus the hydraulic engineer has conquered the floods which once swept away his soil.

To conclude his lecture Professor Russell showed slides of the tremendous turbines which convert a river into a servant supplying 2,000,000 H.P. in some cases. In the future tides may supply even greater power for man's use.

Wellesley College

(Continued from Page 1)

from Glen Ridge, New Jersey. Impetuous Josephine, who lives just outside of New York City and has little tolerance for Boston's staid Toryism, provides much of the vim and zealousness which permeates the columns of the News.

Adelaide Manages Finances

Controlling the finances of the paper, tall, blonde Adelaide de Beer, Wellesley, '41, acts as a counterbalance to the eager animated journalist members of the board. From up the Hudson River in Albany, New York, Adelaide, who spends much time convincing the other editors that the News should not have a party with the profits from the last issue, is also studying English. All in all it's quite a literary board of editors. The Wellesley paper, like THE TECH, is entirely student run and operated. With little or no faculty supervision of its columns the editors use their own discretion in coloring the motif of the paper.

Incidentally, the Wellesley paper is not only self-sustaining but it has a comfortable balance in the local trust company.

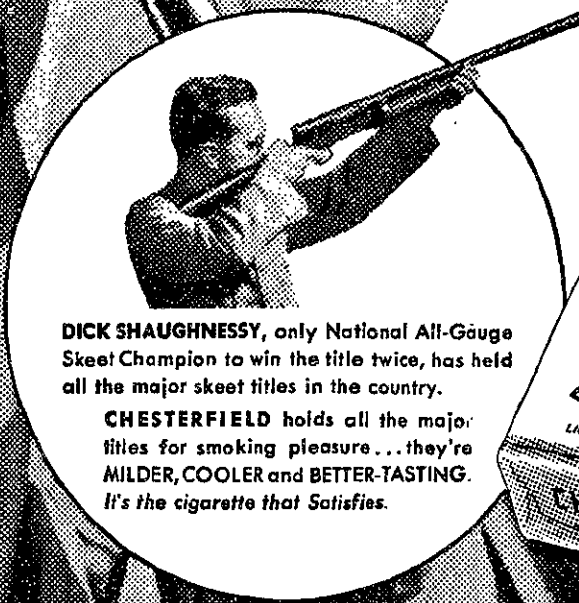
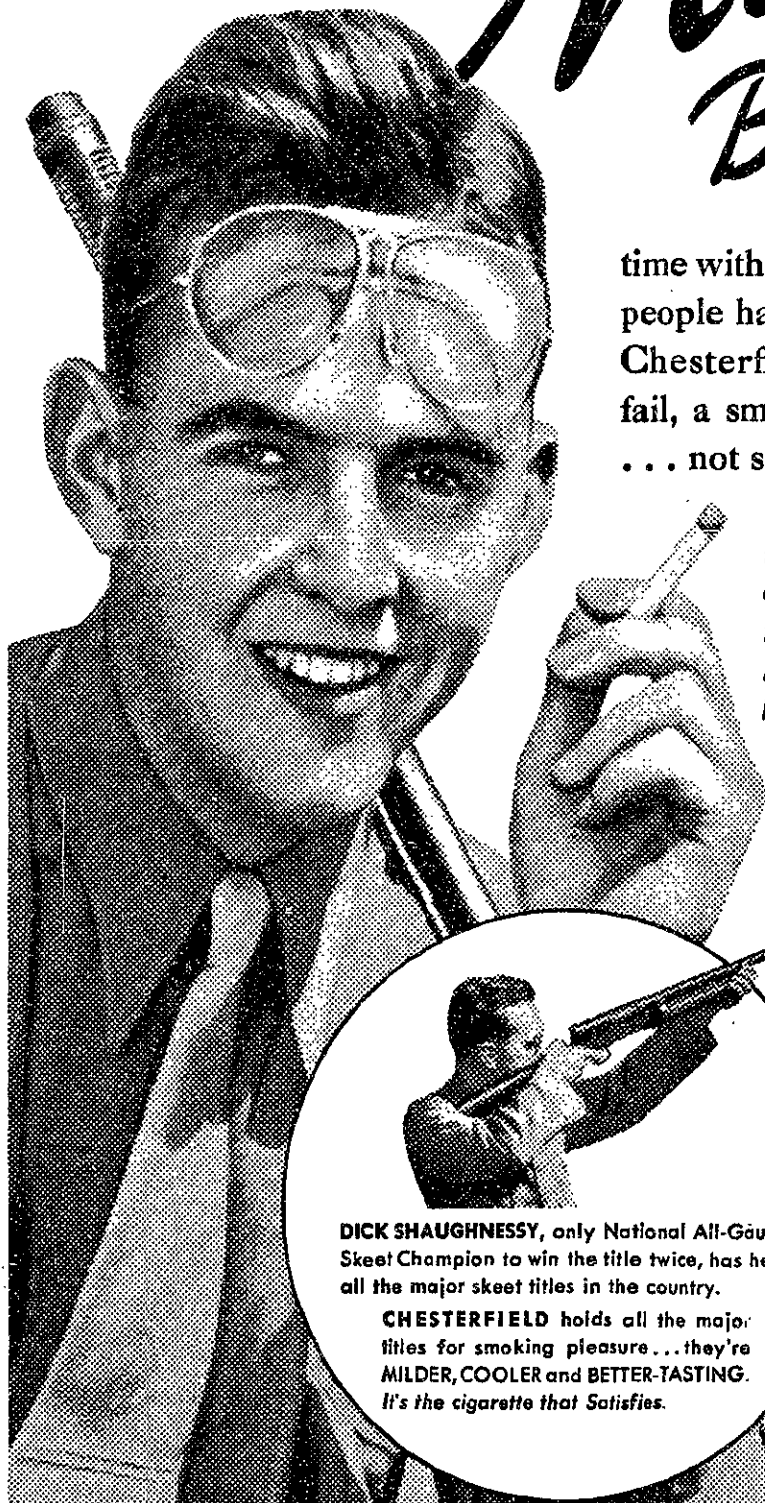
With a circulation of over 2,000 the News reaches all Wellesley students, the faculty and a large number of advertisers. Incidentally, rumor has it that it also goes to several subscribers in strictly male colleges and—here's a plug for the business staff—the subscription rates are two dollars a year.

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